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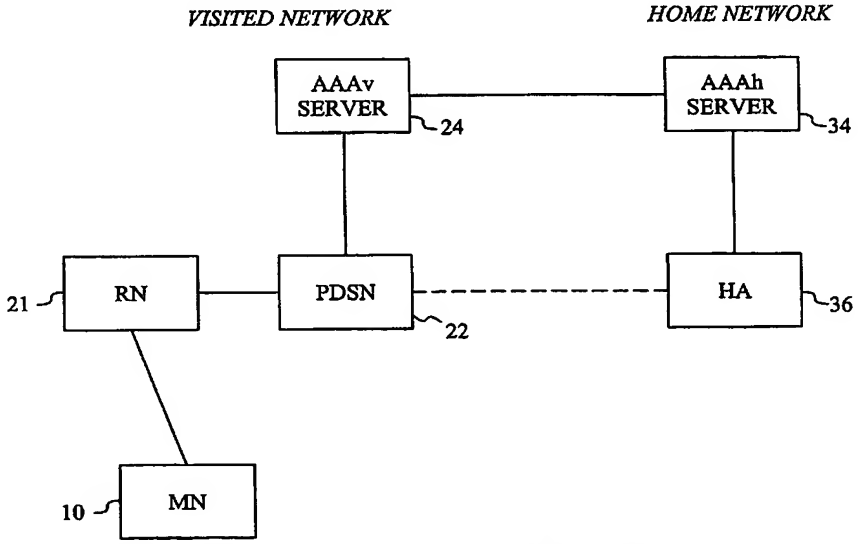
(54) Title: METHOD, SYSTEM AND APPARATUS TO SUPPORT MOBILE IP VERSION 6 SERVICES IN CDMA SYSTEMS




(57) Abstract: The invention provides authentication and authorization support for MIPv6 in a CDMA framework by transferring MIPv6-related information in an, preferably extended, authentication protocol in an end-to-end procedure between a mobile node (10) in a visited network and the home network of the mobile node over an AAA infrastructure. Preferably, the end-to-end procedure is executed between the mobile node and an AAA server (34) of the home network. In the visited network, after lower-layer setup, point-to-point communication is established between the mobile node and an internetworking access server (22). The access server then communicates with the AAA home server for MIPv6 authentication and authorization of the mobile node. A preferred embodiment uses EAP as basis for the extended authentication protocol. EAP extensions are then used for MIPv6 initiation and re-authentication, while CHAP can be beneficial for MIPv6 hand-in.

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